



State of New Hampshire  
DEPARTMENT OF ENVIRONMENTAL SERVICES

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June 3, 2004

Donald Benedict  
Colonial Plumbing & Heating  
726 East Industrial Park Drive, Unit #9  
Manchester NH 03109

**LETTER OF DEFICIENCY #WELL - 04-04**

Subject Well Pump Installation at Mitchell Property, 43 Wiley Hill Road, Londonderry, NH

Dear Mr. Benedict

An inspection of the well pump installation located at the property of Charles and Kathryn Mitchell, 43 Wiley Hill Road, Londonderry, NH, was conducted by NH Department of Environmental Services ("DES") staff on May 11, 2004. The inspection was conducted in response to a consumer complaint received by DES and the Water Well Board on April 22, 2004. The following violations of the NH Water Well Code were observed:

- 1 The electrical wiring installation inside the building does not conform to the current National Electrical Code ("NEC") adopted by the Electricians Board, in violation of We 702.04 (c). Specifically:
  - a. The electrical installation does not transition to NEC wiring methods as it enters the building at the foundation wall;
  - b. The wires are not encased in an approved raceway and are not secured within 12 inches of the pressure switch;
  - c. The wire splices in proximity of the pressure switch are not enclosed in a junction box; and
  - d. The wires are not secured with a connector at the point of entry into the pressure switch; and
- 2) The submersible pump motor is not grounded as specified by the NEC, in accordance with We 702.04 (h). The pump motor equipment grounding conductor must be connected to the building service ground.

In addition, the pump motor equipment grounding conductor enters the earth at the wellhead and there is no visible indication that the conductor is bonded to the well casing in accordance with We 702.04 (i).

DES recognizes that the work performed at the Mitchell property was a pump system replacement and was not a new installation, however, all work performed by licensed contractors under RSA 482-B is required to meet current installation standards adopted by the Water Well Board.

For your information, RSA 482-B:15 states "All materials and construction practices used in the construction of a new well or new pump installation or in the maintenance, repair, or replacement of any well or pump installation shall conform with the rules adopted by the board."

The deficiencies identified above should be corrected as soon as possible. DES also recognizes that property owners have a responsibility to compensate occupational licensees for necessary upgrades to home utilities required by local and state codes.

Failure to make the necessary corrections may result in further action by DES including the issuance of an administrative order or administrative fine, or both, in accordance with the provisions of RSA 482-B:8 and 16.

If you have any questions, please call Rick Schofield at 271-1974.

Sincerely,

**COPY**

Rene Pelletier, P.G.,  
Land Resources Program Manager

Certified Mail

cc: Charles & Kathryn Mitchell  
Water Well Board  
Gretchen R. Hamel, Legal Unit Administrator  
Anne Edwards, Esq. - AGO  
Harrison Mackey, Licensing Coordinator